



# General Purpose Polyester/Silicone Tape

## 8951

Technical Data

January, 2004

### Product Description

3M™ General Purpose Polyester/Silicone Tape 8951 is a polyester tape with a silicone adhesive designed for high temperature applications. Specifically, it is used to break flash in composite bonding as well as splicing silicone and non-silicone coated papers and films.

### Product Construction

Backing	Adhesive	Color	Standard Roll Length
Polyester	Silicone	Blue	72 yds. (66 m)

### Typical Physical Properties

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Adhesion to Steel:	30 oz./in. width (33 N/100 mm)	D-3330
Tensile Strength at Break	30 lbs./in. width (525 N/100 mm)	D-3759
Elongation at Break:	100%	D-3759
Backing Thickness:	1 mil (0.03 mm)	D-3652
Total Tape Thickness:	2.8 mils (0.07 mm)	D-3652
Temperature Use Range:	Up to 425°F (218°C)	

### Features

- Designed to provide clean removal during masking operations involving high temperatures and pressure.
- Polyester film retains flexibility and thermal resistance to help reduce failures due to cracking.
- Abrasion, chemical and thermal resistance to help reduce failures due to backing deterioration.
- Silicone adhesive helps reduce failure due to softening, oozing, and adhesive transfer.
- Masking edges of overlap seams in metal bonding process where excess epoxy (flash) flows onto tape as clean-up is complete upon tape removal.
- Removes cleanly from stainless steel, anodized aluminum and glass after a four-hour bake cycle at 350°F (177°C).

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## Application Ideas

- Holding parts or vacuum bags during bonding process.
- Splicing silicone treated materials, including paper, liners and films.
- One hour photo lab splicing tape.
- Electrical insulation tape.
- Circuit board masking.
- Masking parts in an anodizing process.

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## Storage

Store under normal conditions of 60° to 80°F (15° to 27°C) and 40 to 50% R.H. in the original carton.

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## Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

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## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/industrialtape](http://www.3M.com/industrialtape). Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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## Product Use

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